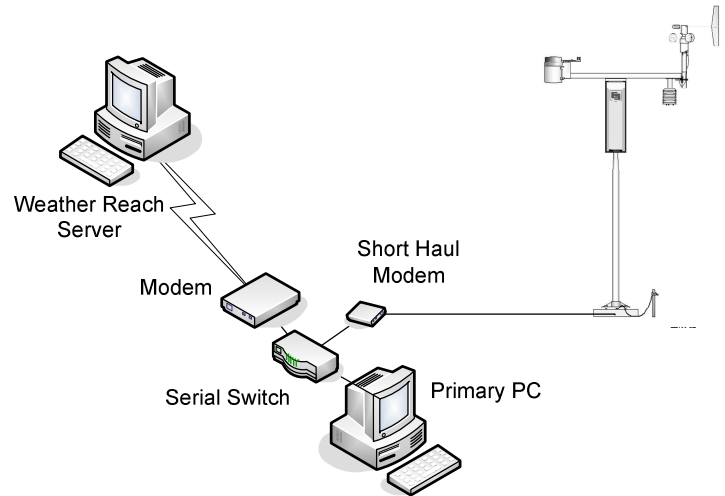


Weather data is an integral part of automated landscape water management. Many communities, including golf courses, cities, and other agencies, have invested in precision Campbell Scientific weather stations.

Weather stations directly connected to a PC, using a short haul modem, are accessed by a single computer, limiting the use of the data. Weather Station Dual Communication Kits allow another computer to access the weather data.

Weather Station Dual Communication kits expand the usefulness of a weather station by enabling access to the station by the Weather Reach Water Management System. A Weather Reach Signal Provider accesses weather stations using the Weather Reach Server software to broadcast a wireless weather signal to sprinkler systems.

Weather Reach Communication Kits include a serial switch that manages communication between the weather station and two computers. Both the primary PC and the Weather Reach Server access the weather data directly from the weather station.



### How it works

A serial switch has three ports; 1) Primary PC 2) Weather station short haul modem 3) Modem for remote access with a PC. The serial switch manages the communication connections. When either computer initiates communication with the weather station the serial switch allows the connection to the weather station as long as the other computer is not communicating. Once the weather data is collected, typically taking less than a minute, communication access can be made by the other computer. The serial switch does not connect the two computers.

### Easy to Use

- Easy to install between the weather station short haul modem and the computer.
- Supports telephone or Internet communications.
- Kit includes serial switch, modem and cables.
- Pre-configured.
- Install in minutes.

### Compatibility

- Compatible with most Campbell Scientific weather stations utilizing short haul modems connected to a serial port on a PC.
- Automatic weather station access times should be staggered.
- Simultaneous communication is not supported; routing is based on a “first in” basis.
- Two serial switches to support a variety of applications.
- Cellular Internet or telephone modems are included, other serial communication options can also be supported, contact Irrisoft.

**Note:** The Weather Reach Server is not capable of deleting or altering data stored at a weather station.

### Serial Switch Options:

**MicroSwitch** – The MicroSwitch is pre-programmed to manage communication regardless of which device initiates communication. Primary PC communication is routed to the weather station. Remote PC communication via the modem is routed to the weather station. Weather station initiated communication is routed to the Primary PC. Once communication is complete any device can initiate contact.

**Note:** The MicroSwitch is compatible with the Rain Bird<sup>®</sup> Golf “Smart Weather” software.

**Dual Access** – The Dual Access serial switch is triggered by either the Primary PC or remote PC via the modem communication to the weather station. The Primary PC and remote PC must free the serial port when communication is complete. It is NOT compatible with weather station initiated communication.

**Note:** The Dual Access serial switch is NOT compatible with the Rain Bird Golf “Smart Weather” software.

### Modem Options:

**Standard Phone** – A modem enables communication over a standard public switched telephone network. The user must provide a standard analog telephone line service to the serial switch location. The Weather Reach Server initiates communication by calling the modem’s dedicated phone number.

**Cellular IP** – To eliminate the need of installing a telephone line, a cellular modem enables communication via the Internet. Airlink Raven digital cellular modems operate on Verizon CDMA or AT&T GPRS networks to provide IP (Internet Protocol) addressable Internet access to the weather station. A subscription for cellular service either on a CDMA or GPRS network with coverage at the serial switch site is required. Contact Irrisoft for plan options before contacting Verizon Wireless or AT&T to ensure they provide the required service. Airlink provides a DNS server to manage the dynamic Verizon Wireless or AT&T assigned IP address. (Detailed product specifications available upon request.)

### Kits

Each kit includes the selected serial switch and modem with necessary cables. Serial switches and modems come pre-programmed, ready to install.

Communication Add-on Kits	
WRMS-P	Weather Station MicroSwitch Kit - Phone
WRMS-CDMA	Weather Station MicroSwitch Kit - Cellular IP - CDMA
WRMS-GPRS	Weather Station MicroSwitch Kit - Cellular IP - GPRS
WRDAK-P	Weather Station Dual Access Kit - Phone
WRDAK-CDMA	Weather Station Dual Access Kit - Cellular IP - CDMA
WRDAK-GPRS	Weather Station Dual Access Kit - Cellular IP - GPRS